

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:
E. CAHOON ET AL.

CASE NO.: BB1297

APPLICATION NO.: UNKNOWN

GROUP ART UNIT: UNKNOWN

FILED: CONCURRENTLY HERewith

EXAMINER: UNKNOWN

FOR: UDP-GLUCOSE MODIFIERS

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Before examination of the above-referenced application, please amend the application as follows:

In the Claims:

Please cancel claims 1-24.

Please add the following new claims:

- 25. An isolated polynucleotide that encodes a 1-deoxy-D-xylulose 5-phosphate reductoisomerase polypeptide having a sequence identity of at least 93%, based on the Clustal method of alignment, when compared to a polypeptide selected from the group consisting of SEQ ID NOs:2, 4, 6, 8, 10, 12, 14, 16, 18, and 20.
26. The polynucleotide of Claim 25 wherein the sequence identity is at least 95%.
27. The polynucleotide of Claim 25 wherein the polypeptide is selected from the group consisting of SEQ ID NOs:2, 4, 6, 8, 10, 12, 14, 16, 18, and 20.
28. The polynucleotide of Claim 25, wherein the polynucleotide is selected from SEQ ID Nos:1, 3, 5, 7, 9, 11, 13, 15, 17 and 19.
29. An isolated complement of the polynucleotide of Claim 25, wherein (a) the complement and the polynucleotide consist of the same number of nucleotides, and (b) the nucleotide sequences of the complement and the polynucleotide have 100% complementarity.
30. An isolated nucleic acid molecule that encodes a plant 1-deoxy-D-xylulose 5-phosphate reductoisomerase polypeptide and remains hybridized with the isolated polynucleotide of Claim 25 under a wash condition of 0.1X SSC, 0.1% SDS, and 65°C.
31. A cell or a virus comprising the polynucleotide of Claim 25.